

| L Number | Hits   | Search Text  | DB                                 | Time stamp       |
|----------|--------|--|------------------------------------|------------------|
| -        | 446    | 348/335.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:03 |
| -        | 218    | 348/340.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:04 |
| -        | 435    | 348/294.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:04 |
| -        | 282    | 348/302.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:04 |
| -        | 292    | 348/311.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:04 |
| -        | 208    | 257/294.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:04 |
| -        | 1213   | 257/432.ccIs.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:05 |
| -        | 151052 | 438/\$.ccIs.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:05 |
| -        | 23612  | (lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:47 |
| -        | 260138 | CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:11 |
| -        | 144488 | resin near2 layer  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:07 |
| -        | 24307  | resin near2 thickness  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |
| -        | 13853  | ditch\$2   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:08 |
| -        | 1      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus))) and (resin near2 layer) and (resin near2 thickness) and ditch\$2 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:07 |
| -        | 10     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ditch\$2  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |

|  |         |  |                                    |                  |
|--|---------|--|------------------------------------|------------------|
|  | 116028  | diagonal   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |
|  | 1110    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and diagonal  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |
|  | 1689593 | thickness  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |
|  | 710     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and diagonal) and thickness   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:10 |
|  | 293     | (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and diagonal) and thickness) and (CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus)))                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:11 |
|  | 6454    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus)))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:11 |
|  | 117     | (resin near2 thickness) and (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus))))                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:11 |
|  | 25      | ((resin near2 thickness) and (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (CCD or imager or (imag\$3 adj1 (pickup or sensor or device or array or apparatus))))) and diagonal | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:13 |
|  | 37783   | 205/\$.ccls.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:14 |
|  | 25      | 205/\$.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:16 |
|  | 2863862 | layer  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:16 |
|  | 1685325 | resin  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:16 |
|  | 289     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (resin near2 thickness)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:17 |
|  | 122     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (resin near2 thickness) and (resin near2 layer)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:18 |
|  | 18      | (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (resin near2 thickness) and (resin near2 layer)) and diagonal  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:19 |

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|--|-------|---|------------------------------------|------------------|
|  | 2     | 6271103.pn.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:19 |
|  | 0     | 6271103.pn. and diagonal  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:20 |
|  | 1     | 6271103.pn. and thickness   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:23 |
|  | 41124 | distance with (between or adjacent) with (array or lens\$2)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:28 |
|  | 2839  | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (distance with (between or adjacent) with (array or lens\$2))                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:24 |
|  | 2198  | distance with (between or adjacent) with (array or lens\$2) with thickness  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:25 |
|  | 171   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (distance with (between or adjacent) with (array or lens\$2) with thickness) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:25 |
|  | 5     | (diagonal) with (array or lens\$2) with (space or gap) with thickness   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:29 |
|  | 86    | (diagonal) with (array or lens\$2) with (space or gap)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:31 |
|  | 4     | ((diagonal) with (array or lens\$2) with (space or gap) ) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))                    | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:31 |
|  | 120   | (diagonal adj1 direction) with thickness  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:35 |
|  | 4     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((diagonal adj1 direction) with thickness)                                   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:31 |
|  | 6994  | diagonal adj1 direction   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:36 |
|  | 119   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (diagonal adj1 direction)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:36 |
|  | 0     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) same (resin near2 thickness) same ((array or lens\$2) adj1 pitch)                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/11 17:48 |

|  |    |  |   |                  |
|--|----|--|---|------------------|
|  | 21 | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) same thickness same ((array or lens\$2) adj1 pitch) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT | 2004/05/11 17:48 |
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| L Number | Hits   | Search Text  | DB                                 | Time stamp       |
|----------|--------|--|------------------------------------|------------------|
| 1        | 446    | 348/335.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 2        | 218    | 348/340.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 3        | 435    | 348/294.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 4        | 282    | 348/302.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 5        | 292    | 348/311.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 6        | 208    | 257/294.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:06 |
| 7        | 1213   | 257/432.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:07 |
| 10       | 1588   | 250/216.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 14:51 |
| 22       | 842    | 359/618.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:34 |
| 23       | 935    | 359/619.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:34 |
| 24       | 214    | 359/626.ccis.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:34 |
| 25       | 151052 | 438/\$.ccis.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:35 |
| 26       | 23612  | (lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:55 |
| 34       | 267167 | (protective or resin) adj1 (layer or film)                     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:07 |
| 44       | 290759 | (passivation or protective or resin) adj1 (layer or film)      | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:08 |

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|----|-----|--|------------------------------------|------------------|
| 50 | 26  | 348/335.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:09 |
| 51 | 2   | 348/335.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:09 |
| 52 | 54  | 348/340.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:09 |
| 53 | 9   | 348/340.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:09 |
| 54 | 38  | 348/294.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:56 |
| 55 | 11  | 348/294.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:58 |
| 56 | 16  | 348/302.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:56 |
| 57 | 3   | 348/302.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:02 |
| 58 | 15  | 348/311.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:13 |
| 59 | 3   | 348/311.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 13:09 |
| 67 | 44  | 257/294.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 13:11 |
| 75 | 17  | 257/294.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 13:11 |
| 76 | 202 | 257/432.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 13:11 |
| 77 | 70  | 257/432.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:00 |
| 78 | 94  | 250/216.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:04 |

|    |     |  |                                    |                  |
|----|-----|--|------------------------------------|------------------|
| 79 | 16  | 250/216.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:05 |
| 82 | 308 | 250/208.1.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:01 |
| 81 | 54  | 250/208.1.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:01 |
| 83 | 95  | 359/618.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:05 |
| 84 | 4   | 359/618.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:06 |
| 85 | 460 | 359/619.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:09 |
| 86 | 66  | 359/619.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:10 |
| 87 | 98  | 359/626.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:10 |
| 88 | 11  | 359/626.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:11 |
| 89 | 465 | 438/.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:10 |
| 90 | 198 | 438/.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((passivation or protective or resin) adj1 (layer or film))      | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:11 |
| 91 | 177 | gap adj1 between adj1 lenses   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:11 |
| 92 | 20  | (gap adj1 between adj1 lenses) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:11 |
| 93 | 13  | ((gap or space) near2 lenses) with resin   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:11 |
| 94 | 1   | (gap adj1 between adj1 \$lens\$3) with thinner   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:12 |

|    |         |   |                                    |                  |
|----|---------|---|------------------------------------|------------------|
| 95 | 67      | sensitivity and smear and manufacturing and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))                        | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:12 |
| 16 | 953761  | height  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:30 |
| 17 | 915     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) same height  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:32 |
| 18 | 3640723 | gap\$1 or space\$1  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:31 |
| 19 | 598     | (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) same height) and (gap\$1 or space\$1)                             | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:31 |
| 20 | 98      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) same height same (gap\$1 or space\$1)                              | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:33 |
| 21 | 26      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and 348/335.ccls.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:33 |
| 29 | 170959  | (protective or resin) adj1 layer  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 09:56 |
| 42 | 0       | sensitivity and smear and manufacturing and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))                        | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:06 |
| 37 | 2       | 348/335.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:08 |
| 39 | 3       | 348/340.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:08 |
| 41 | 9       | 348/294.ccls. and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((protective or resin) adj1 (layer or film)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 11:09 |
| 65 | 641     | gap adj1 between adj1 \$lens\$3   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:11 |
| 68 | 9996    | ("adjacent") near2 (\$lens\$3)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:14 |
| 69 | 1419    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ("adjacent") near2 (\$lens\$3))                                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:14 |

|    |     |  |                                    |                  |
|----|-----|--|------------------------------------|------------------|
| 70 | 541 | ((("adjacent") near2 (\$lens\$3)) with (thick\$5 or thin\$3 or gap or ditch))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:15 |
| 71 | 94  | ((("adjacent") near2 (\$lens\$3)) with (thick\$5 or thin\$3 or gap or ditch)) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 12:15 |
| 73 | 3   | ("5466926"   "5867321"   "6163407").PN.  | USPAT                              | 2004/05/12 12:18 |
| 74 | 6   | ("5451766"   "6060732"   "6069350"   "6274516"   "6295107"   "6297911").PN.  | USPAT                              | 2004/05/12 13:00 |
| 80 | 513 | 250/208.1 and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:01 |

| L Number | Hits    | Search Text  | DB                                 | Time stamp       |
|----------|---------|--|------------------------------------|------------------|
| 9        | 23638   | (lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:04 |
| 10       | 14931   | deep\$3 near4 (groove)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:06 |
| 11       | 99743   | (between or adjacent) near4 \$lens\$2  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:07 |
| 12       | 3       | ((deep\$3 near4 (groove)) with ((between or adjacent) near4 \$lens\$2)) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:09 |
| 13       | 899285  | (groove)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:06 |
| 14       | 76      | (( (groove)) with ((between or adjacent) near4 \$lens\$2)) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))              | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:06 |
| 15       | 7177    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((between or adjacent) near4 \$lens\$2)                                 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:08 |
| 16       | 1690908 | thickness  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:08 |
| 17       | 3165    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((between or adjacent) near4 \$lens\$2)) and thickness                  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:08 |
| 18       | 453528  | thickness with layer   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:08 |
| 19       | 1148    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((between or adjacent) near4 \$lens\$2)) and (thickness with layer)     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:09 |
| 20       | 899     | deep near4 gap   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:09 |
| 21       | 1358    | deep\$3 near4 gap  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:19 |
| 22       | 1       | ((deep\$3 near4 gap) with ((between or adjacent) near4 \$lens\$2)) and ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3))      | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:18 |
| 31       | 12098   | top adj1 coat  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:19 |

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| 32 | 14     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (top adj1 coat)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:20 |
| 33 | 228779 | (protect\$4) near10 (layer)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:20 |
| 34 | 45201  | ((protect\$4) near10 (layer)) same (resin or plastic\$1)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:21 |
| 35 | 1251   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((protect\$4) near10 (layer))                              | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:21 |
| 36 | 345    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (((protect\$4) near10 (layer)) same (resin or plastic\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:24 |
| 37 | 364    | crevis\$2 or notch\$2   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:24 |
| 38 | 0      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (crevis\$2 or notch\$2)                                    | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:24 |
| 40 | 6049   | transparent near2 resin near2 layer   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:55 |
| 41 | 157    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (transparent near2 resin near2 layer)                      | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:29 |
| 42 | 25     | isokawa-toshihiko.in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:31 |
| 43 | 74514  | olympus adj1 optical.as.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:30 |
| 44 | 364    | isokawa.in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:30 |
| 45 | 27     | (olympus adj1 optical.as.) and isokawa.in.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:30 |
| 46 | 51938  | toshihiko.in.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:31 |
| 47 | 422    | (olympus adj1 optical.as.) and toshihiko.in.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:31 |

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| 48 | 11   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((olympus adj1 optical.as.) and toshihiko.in.)                          | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:38 |
| 49 | 2    | 5145813.URPN.  | USPAT                              | 2004/05/13 12:32 |
| 50 | 1126 | transparent adj1 resin adj1 material   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:38 |
| 52 | 2    | (olympus adj1 optical.as.) and (((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (transparent adj1 resin adj1 material)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:38 |
| 51 | 48   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (transparent adj1 resin adj1 material)                                  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:39 |
| 53 | 9    | inter adj1 lens adj1 gap   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:41 |
| 54 | 42   | etch\$4 and (ion adj1 dispers\$4)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:42 |
| 55 | 1    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (etch\$4 and (ion adj1 dispers\$4))                                     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:43 |
| 56 | 0    | lens\$2 with gap with (ion adj1 dispers\$4)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:45 |
| 57 | 19   | (lens\$2 with gap) with etch\$3  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:45 |
| 58 | 7    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((lens\$2 with gap) with etch\$3)                                       | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:44 |
| 59 | 52   | (lens\$2 with gap) same (etch\$3 or (ion adj1 dispers\$4))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:47 |
| 60 | 14   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((lens\$2 with gap) same (etch\$3 or (ion adj1 dispers\$4)))            | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:46 |
| 61 | 453  | (lens\$2 with gap) with fill\$3  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:50 |
| 62 | 65   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((lens\$2 with gap) with fill\$3)                                       | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:47 |
| 64 | 22   | (lens\$2 with gap) with (transparent) with resin   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:51 |

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| 65 | 4      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((lens\$2 with gap) with (transparent) with resin)     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:50 |
| 66 | 267    | (lens\$2 with gap) with (\$resin\$1 or \$plastic\$1)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:52 |
| 67 | 44     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((lens\$2 with gap) with (\$resin\$1 or \$plastic\$1)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 12:52 |
| -  | 23612  | (lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 11:04 |
| -  | 9065   | (undercoat adj1 (layer or film))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:47 |
| -  | 44     | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((undercoat adj1 (layer or film)))                     | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:48 |
| -  | 133562 | (transparent) near2 (layer or film)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:49 |
| -  | 2268   | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and ((transparent) near2 (layer or film))                  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:49 |
| -  | 3950   | adjacent adj1 \$lens\$3   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:56 |
| -  | 768    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (adjacent adj1 \$lens\$3)                              | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 15:59 |
| -  | 154998 | "0.005"   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:00 |
| -  | 9      | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (adjacent adj1 \$lens\$3)) and "0.005"                 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:00 |
| -  | 123    | (adjacent adj1 \$lens\$3) and micrometer\$  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:02 |
| -  | 34     | "0.005 um"  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:02 |
| -  | 0      | "0.005 micrometer\$1"   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:03 |

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|  | 92343 | micro\$1meter\$1   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:04 |
|  | 0     | "0.005 micrometer\$1"  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:03 |
|  | 2148  | 0.3 adj1 micro\$1meter\$1  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 16:04 |
|  | 22    | ((lens\$3 adj1 array) or (microlens\$3) or (micro adj1 lens\$3)) and (0.3 adj1 micro\$1meter\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/12 17:45 |

| L Number | Hits    | Search Text  | DB                                 | Time stamp       |
|----------|---------|--|------------------------------------|------------------|
| -        | 214     | 359/626.ccls.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:03 |
| -        | 23946   | (micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:52 |
| -        | 103     | 359/626.ccls. and ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array))  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:06 |
| -        | 935     | 359/619.ccls.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:06 |
| -        | 935     | 359/619.ccls.422 and 359/619.ccls.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:06 |
| -        | 469     | ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and 359/619.ccls.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:06 |
| -        | 2972235 | manufactur\$4  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:07 |
| -        | 264     | ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and 359/619.ccls.) and manufactur\$4   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:07 |
| -        | 36102   | solid adj1 state adj1 imag\$4  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:07 |
| -        | 18      | ((((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and 359/619.ccls.) and manufactur\$4) and (solid adj1 state adj1 imag\$4)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:08 |
| -        | 72142   | LG.as.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 13:08 |
| -        | 95      | ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and LG.as.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 14:33 |
| -        | 2       | 6271103.pn.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:01 |
| -        | 12690   | 348/207.99-376.ccls.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:02 |
| -        | 321     | 348/207.99-376.ccls. and ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array))   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:29 |

|  |         |   |                                    |                  |
|--|---------|---|------------------------------------|------------------|
|  | 2       | 6307243.pn.   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:03 |
|  | 6       | ("5239412"   "5479049"   "5514888"   "5939236"   "5986036"   "6001540").PN.   | USPAT                              | 2004/05/13 15:14 |
|  | 275502  | 257/\$.ccls.  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:30 |
|  | 1193    | 257/\$.ccls. and ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array))                                  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:31 |
|  | 727     | 257/\$.ccls. and ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and manufactur\$4                | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/13 15:33 |
|  | 329     | 257/\$.ccls. and ((micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)) and manufactur\$4 and \$resin\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:52 |
|  | 23946   | (micro adj1 lens\$2) or (microlens\$2) or (lenslet) or (lens\$2 adj1 array)   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:52 |
|  | 212077  | resin near4 layer   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:54 |
|  | 3748532 | cover\$5 or protect\$5  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:54 |
|  | 11181   | resin near6 \$lens\$2   | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:54 |
|  | 147     | (resin near4 layer) with (cover\$5 or protect\$5) with (resin near6 \$lens\$2)  | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/05/14 08:55 |